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PHOTOGRAPHIC INTELLIGENCE REPORT

KUANG-CHOU CHEMICAL  
FERTILIZER PLANT  
KUANG-CHOU, CHINA

Declass Review by NIMA/DOD

CIA/PIR 65051

DATE NOV. 1965

GROUP 1  
Excluded from automatic  
downgrading and declassification

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FIGURE 1



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PREPARED BY - CHEMICAL AND SCIENTIFIC SECTION,  
INDUSTRIAL BRANCH, IAD

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## KUANG-CHOU CHEMICAL FERTILIZER PLANT

The chemical fertilizer plant is located approximately 6.5 nm east of the center of Kuang-chou, (Canton) China at geographic coordinates 23 08N - 113 23E; Figures 1 and 2.

The area occupied by the plant has not changed significantly during the period from [redacted] Figures 3 and 4. Small additional acreage may have been utilized in the NE and NW corners of the plant area; the precise boundaries of the plant are difficult to delineate. However, a large number of new structures have been erected in the time period under consideration. Some of the new construction consists of processing equipment but new buildings constitute the major part of the construction program which was still in evidence on the [redacted] photography, Figure 4. Some 40 to 50 old buildings, mostly of the shed and small warehouse types, have been razed to make room for part of the new construction; the rest occupies formerly empty spaces in the original plant area.

The functional divisions of the plant and all of the significant new structures are shown on the overlay to Figure 4. The plant divisions, delineated by dashed lines, are each identified by letter. The new structures are outlined on the overlay. The following tabulation indicates the principal function of each of the plant divisions and the nature of the new construction in that division.

Area A - Ammonia Fertilizer Pilot Plant. Two large aboveground probable liquid storage tanks have been erected in this area.

Area B - Ammonia Production Section. A possible air liquefaction facility is located at No. 1.

Area C - Ammonium Sulphate Section. No significant changes have occurred in this area.

Area D - Sulphuric Acid Section. There have been no apparent changes in this area.

Area E - This section has been identified as a superphosphate section. A new probable processing facility has been added and a large section, No. 1, has been added to a pre-existing warehouse. This facility, incomplete in [redacted] is connected to a probable processing facility, No. 2. This facility is a possible ammonium sulphate plant, built to augment the pilot-scale plant in Area C. The facility previously identified as a superphosphate plant, No. 4, possibly is an ammonium nitrate plant. Four possible acid

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storage tanks and an unidentified structure are located at No. 3.

Area F - Administrative, laboratory and service section. One warehouse/shop building has been enlarged and a wing has been added to another.

Area G - Probable Shop and Maintenance Section. Practically all the buildings present in [redacted] have been torn down and replaced. A large administration/laboratory type building has been built in the eastern section.

Area H - Water Treatment Plant and Storage Section. The large warehouse, No. 1, had a large addition under construction in [redacted]. The group of facilities, No. 2, is a probable water treatment plant.

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Area I - Probable Phosphate Rock Preparation Facility and possibly also a Superphosphate Production Section. Small additions to the existing facilities have been made during the past three years. Several warehouse/shop buildings have been erected in the northwest corner of the area and along the probable northern boundary. Twenty-four small underground tanks and several garage/shed type structures have been built in the southwest corner of the area.

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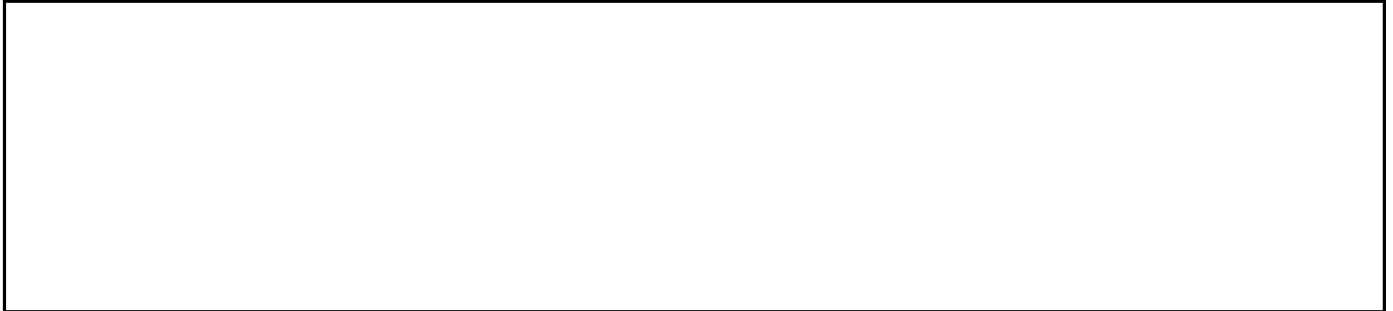
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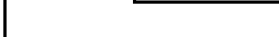


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MAPS OR CHARTS

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2. General Locator Map, China - 38936, 12/63 (UNCLASSIFIED)

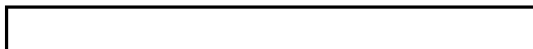
REQUIREMENT

CIA. C-RR5-83,036

CIA/IAD PROJECT

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FIGURE 3

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KUANG-CHOU CHEMICAL FERTILIZER PLANT  
Kuang-chou, China  
23 08N - 113 23E

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FIGURE 4

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KUANG-CHOU CHEMICAL FERTILIZER PLANT  
Kuang-chou, China  
23 08N - 113 23E

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